

SPS-E04-81  
16 January 1981

MEMORANDUM FOR: Chief, Headquarters Engineering Division/  
Real Estate and Construction Division/OL

FROM :   
Deputy Chief, Special Projects Staff/ODP

SUBJECT : Terminal Electrical Power and Installation  
Procedures

1. It is requested that you verify (a) the availability of electrical power required for the installation of computer terminals and (b) the terminal electrical power installation procedures and procedural justifications.

2. Attached is a memorandum from the CIA SAFE user representative. It recommends that a dedicated power source be provided to service SAFE terminals, printers and terminal Bus Interface Units that are to be installed in Headquarters Building. As a result of the attached memorandum, Questions have been raised regarding the availability of electrical power, the current procedures that are employed to provide electrical power to terminals, and the validity of those procedures in light of the new Delta Data 7260 terminal, the new printers pending procurement and the terminal Bus Interface Units.

a. During 1978 and 1979, the SAFE Project funded the procurement and installation of a 2500 KW Emergency Power Generator as a backup power source for the SAFE computer system. The projected electrical power requirements, as documented in the Consolidated SAFE Functional Requirements Document - Volume IV, is for 2400 KVA of electrical power with approximately 1,400 KVA allocated for the SAFE Computer facility and approximately 1,000 KVA allocated for SAFE user areas. It is requested that the availability of electrical power to support these requirements are verified.

b. It is my understanding that a dedicated power cable is installed with two power outlets for each terminal installation with the second outlet provided for an additional or future terminal installation. Further, it is my understanding that the power source is via common circuit breakers with the

dedicated power cable installed between the terminal and circuit breaker; that is, dedicated power is not provided from the power source (commercial power or the Agency's Motor Generators) to service terminals only. The overriding question is 'are dedicated power cables required for terminal installations if power outlets are already available in the terminal installation area?'


3. Your written response to the requested information by 1 February 1981 will assist us in our planning for SAFE terminal installations circa mid 1982.



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Attachment as stated

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